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<!--StartFragment-->RESULT 1
US-09-172-952-14
; Sequence 14, Application US/09172952
; Patent No. 6368793
; GENERAL INFORMATION:
;  APPLICANT: Hoch, James
;  APPLICANT:  Dartois, Veronique
;  TITLE OF INVENTION: METABOLIC SELECTION METHODS
;  FILE REFERENCE: 234/191
;  CURRENT APPLICATION NUMBER: US/09/172,952
;  CURRENT FILING DATE:  1998-10-14
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 14
;   LENGTH: 439
;   TYPE: PRT
;   ORGANISM: YiaX2
US-09-172-952-14
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   Query Match               100.0%;   Score 2254;  DB 2;   Length 439;
   Best Local Similarity     100.0%;   Pred. No. 2.3e-228;
   Matches  439;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        1 MNITSNSTTKDIPRQRWLRIIPPILITCIISYMDRVNIAFAMPGGMDADLGISATMAGLA 60
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        1 MNITSNSTTKDIPRQRWLRIIPPILITCIISYMDRVNIAFAMPGGMDADLGISATMAGLA 60

Qy       61 GGIFFIGYLFLQVPGGKIAVHGSGKKFIGWSLVAWAVISVLTGLITNQYQLLALRFLLGV 120
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       61 GGIFFIGYLFLQVPGGKIAVHGSGKKFIGWSLVAWAVISVLTGLITNQYQLLALRFLLGV 120

Qy      121 AEGGMLPVVLTMISNWFPDAERGRANAIVIMFVPIAGIITAPLSGWIITVLDWRWLFIIE 180
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      121 AEGGMLPVVLTMISNWFPDAERGRANAIVIMFVPIAGIITAPLSGWIITVLDWRWLFIIE 180

Qy      181 GLLSLVVLVLWAYTIYDRPQEARWISEAEKRYLVETLAAEQKAIAGTEVKNASLSAVLSD 240
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      181 GLLSLVVLVLWAYTIYDRPQEARWISEAEKRYLVETLAAEQKAIAGTEVKNASLSAVLSD 240

Qy      241 KTMWQLIALNFFYQTGIYGYTLWLPTILKELTHSSMGQVGMLAILPYVGAIAGMFLFSSL 300
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      241 KTMWQLIALNFFYQTGIYGYTLWLPTILKELTHSSMGQVGMLAILPYVGAIAGMFLFSSL 300

Qy      301 SDRTGKRKLFVCLPLIGFALCMFLSVALKNQIWLSYAALVGCGFFLQSAAGVFWTIPARL 360
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      301 SDRTGKRKLFVCLPLIGFALCMFLSVALKNQIWLSYAALVGCGFFLQSAAGVFWTIPARL 360

Qy      361 FSAEMAGGARGVINALGNLGGFCGPYAVGVLITLYSKDAGVYCLAISLALAALMALLLPA 420
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Db      361 FSAEMAGGARGVINALGNLGGFCGPYAVGVLITLYSKDAGVYCLAISLALAALMALLLPA 420

Qy      421 KCDAGAAPVKTINPHKRTA 439
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Db      421 KCDAGAAPVKTINPHKRTA 439
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<!--StartFragment-->RESULT 2
US-09-172-952-19
; Sequence 19, Application US/09172952
; Patent No. 6368793
; GENERAL INFORMATION:
; APPLICANT: Hoch, James
; APPLICANT: Dartois, Veronique
; TITLE OF INVENTION: METABOLIC SELECTION METHODS
; FILE REFERENCE: 234/191
; CURRENT APPLICATION NUMBER: US/09/172,952
; CURRENT FILING DATE: 1998-10-14
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 19
;   LENGTH: 9334
;   TYPE: DNA
;   ORGANISM: yia
US-09-172-952-19

   Query Match   100.0%; Score 1500; DB 3; Length 9334;
   Best Local Similarity   100.0%; Pred. No. 0;
   Matches 1500; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   1 CTAAAACAAGCACAATAATAATAATCACCTTCATCACCAGAATATTTTTAATATTACGAG 60
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Db   3750 CTAAAACAAGCACAATAATAATAATCACCTTCATCACCAGAATATTTTTAATATTACGAG 3809

Qy   61 ACTATAAAGATGAATATAACCTCTAACTCTACAACCAAAGATATACCGCGCCAGCGCTGG 120
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Db   3810 ACTATAAAGATGAATATAACCTCTAACTCTACAACCAAAGATATACCGCGCCAGCGCTGG 3869

Qy   121 TTAAGAATCATTCCGCCTATACTGATCACTTGTATTATTTCTTATATGGACCGGGTCAAT 180
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Db   3870 TTAAGAATCATTCCGCCTATACTGATCACTTGTATTATTTCTTATATGGACCGGGTCAAT 3929

Qy   181 ATTGCCTTTGCGATGCCCGGAGGTATGGATGCCGACTTAGGTATTTCCGCCACCATGGCG 240
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Db   3930 ATTGCCTTTGCGATGCCCGGAGGTATGGATGCCGACTTAGGTATTTCCGCCACCATGGCG 3989

Qy   241 GGGCTGGCGGGCGGTATTTTCTTTATCGGTTATCTATTTTTACAGGTTCCCGGCGGGAAA 300
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Db   3990 GGGCTGGCGGGCGGTATTTTCTTTATCGGTTATCTATTTTTACAGGTTCCCGGCGGGAAA 4049

Qy   301 ATTGCCGTTCACGGTAGCGGTAAGAAATTTATCGGCTGGTCGCTGGTCGCCTGGGCGGTC 360
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Db   4050 ATTGCCGTTCACGGTAGCGGTAAGAAATTTATCGGCTGGTCGCTGGTCGCCTGGGCGGTC 4109

Qy   361 ATCTCCGTGCTGACGGGGTTAATTACCAATCAGTACCAGCTGCTGGCCCTGCGCTTCTTA 420
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Db   4110 ATCTCCGTGCTGACGGGGTTAATTACCAATCAGTACCAGCTGCTGGCCCTGCGCTTCTTA 4169

Qy   421 CTGGGCGTGGCGGAAGGCGGTATGCTGCCGGTCGTTCTCACGATGATCAGTAACTGGTTC 480
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Db   4170 CTGGGCGTGGCGGAAGGCGGTATGCTGCCGGTCGTTCTCACGATGATCAGTAACTGGTTC 4229

Qy   481 CCCGACGCTGAACGCGGTCGCGCCAACGCGATTGTCATTATGTTTGTGCCGATTGCCGGG 540
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Db   4230 CCCGACGCTGAACGCGGTCGCGCCAACGCGATTGTCATTATGTTTGTGCCGATTGCCGGG 4289

Qy   541 ATTATCACCGCCCCACTCTCAGGCTGGATTATCACGGTTCTCGACTGGCGCTGGCTGTTT 600
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   4290 ATTATCACCGCCCCACTCTCAGGCTGGATTATCACGGTTCTCGACTGGCGCTGGCTGTTT 4349

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         601  ATTATCGAAGGTTTGCTCTCGCTGGTTGTTCTGGTTCTGTGGGCATACACCATCTATGAC  660
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Db'     4350  ATTATCGAAGGTTTGCTCTCGCTGGTTGTTCTGGTTCTGTGGGCATACACCATCTATGAC  4409

Qy       661  CGTCCGCAGGAAGCGCGCTGGATTTCCGAAGCAGAGAAGCGCTATCTGGTCGAGACGCTG  720
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Db      4410  CGTCCGCAGGAAGCGCGCTGGATTTCCGAAGCAGAGAAGCGCTATCTGGTCGAGACGCTG  4469

Qy       721  GCCGCGGAGCAAAAAGCCATTGCCGGCACCGAGGTGAAAAACGCCTCTCTGAGCGCCGTT  780
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Db      4470  GCCGCGGAGCAAAAAGCCATTGCCGGCACCGAGGTGAAAAACGCCTCTCTGAGCGCCGTT  4529

Qy       781  CTCTCCGACAAAACCATGTGGCAGCTTATCGCCCTGAACTTCTTCTACCAGACCGGCATT  840
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Db      4530  CTCTCCGACAAAACCATGTGGCAGCTTATCGCCCTGAACTTCTTCTACCAGACCGGCATT  4589

Qy       841  TACGGCTACACCCTGTGGCTACCCACCATTCTGAAAGAATTGACCCATAGCAGCATGGGG  900
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Db      4590  TACGGCTACACCCTGTGGCTACCCACCATTCTGAAAGAATTGACCCATAGCAGCATGGGG  4649

Qy       901  CAGGTCGGCATGCTTGCCATTCTGCCGTACGTCGGCGCCATTGCTGGGATGTTCCTGTTT  960
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Db      4650  CAGGTCGGCATGCTTGCCATTCTGCCGTACGTCGGCGCCATTGCTGGGATGTTCCTGTTT  4709

Qy       961  TCCTCCCTTTCAGACCGAACCGGTAAACGCAAGCTGTTCGTCTGCCTGCCGCTGATTGGC  1020
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Qy      1021  TTCGCTCTGTGCATGTTCCTGTCGGTGGCGCTGAAAAACCAAATTTGGCTCTCCTATGCC  1080
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Db      4770  TTCGCTCTGTGCATGTTCCTGTCGGTGGCGCTGAAAAACCAAATTTGGCTCTCCTATGCC  4829

Qy      1081  GCGCTGGTCGGCTGCGGATTCTTCCTGCAATCGGCGGCTGGCGTGTTCTGGACCATCCCG  1140
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Db      4830  GCGCTGGTCGGCTGCGGATTCTTCCTGCAATCGGCGGCTGGCGTGTTCTGGACCATCCCG  4889

Qy      1141  GCACGTCTGTTCAGCGCGGAAATGGCGGGCGGCGCGCGCGGGGTTATCAACGCGCTTGGC  1200
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Db      4890  GCACGTCTGTTCAGCGCGGAAATGGCGGGCGGCGCGCGCGGGGTTATCAACGCGCTTGGC  4949

Qy      1201  AACCTCGGCGGATTTTGTGGCCCTTATGCGGTCGGGGTGCTGATCACGTTGTACAGCAAA  1260
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      4950  AACCTCGGCGGATTTTGTGGCCCTTATGCGGTCGGGGTGCTGATCACGTTGTACAGCAAA  5009

Qy      1261  GACGCTGGCGTCTATTGCCTGGCGATCTCCCTGGCGCTGGCCGCGCTGATGGCGCTGCTG  1320
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Db      5010  GACGCTGGCGTCTATTGCCTGGCGATCTCCCTGGCGCTGGCCGCGCTGATGGCGCTGCTG  5069

Qy      1321  CTGCCGGCGAAATGCGATGCCGGTGCTGCGCCGGTAAAGACGATAAATCCACATAAACGC  1380
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Db      5070  CTGCCGGCGAAATGCGATGCCGGTGCTGCGCCGGTAAAGACGATAAATCCACATAAACGC  5129

Qy      1381  ACTGCGTAAACTCGAGCCCGGCGGCGCTGCGCCTGCCGGGCCTGCGAAATATGCCGGGTT  1440
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Db      5130  ACTGCGTAAACTCGAGCCCGGCGGCGCTGCGCCTGCCGGGCCTGCGAAATATGCCGGGTT  5189

Qy      1441  CACCCGGTAACAATGAGATGCGAAAGATGAGCAAGAAACAGGCCTTCTGGCTGGGTATTG  1500
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      5190  CACCCGGTAACAATGAGATGCGAAAGATGAGCAAGAAACAGGCCTTCTGGCTGGGTATTG  5249
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